

## sequence listing-1-02.txt

## SEQUENCE LISTING

```
<110> Cuenoud, Bernard
      Altmann, Karl-Heinz
      Martin, Pierre
      Moser, Heinz Ernst
<120> 2'-Substituted Nucleosides and Oligonucleotide Derivatives
<130> 4~20890B/C1
<140> 09/753,943
<141> 2001-01-03
<150> 09/194,844
<151> 1999-05-14
<150> PCT/EP97/02738
<151> 1998-05-27
<150> Switzerland 1432/96
<151> 1996-06-06
<210> 1
<211> 20
<212> RNA
<213> Homo sapiens
<400> 1
                                            20
aaugcauguc acaggcggga
<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<221> modified sugar
<222> 1-20
<223> at least one modified sugar residue
<400> 2
                                            20
tcccgcctgt gacatgcatt
<210> 3
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 5
<223> modified sugar at position 5
<400> 3
                                            15
tttttctctc tctct
<210> 4
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 5, 7, 9, 11 and 13
<223> modified sugar at positions 5, 7, 9, 11 and 13
<400> 4
tttttctctc tctct
                                            15
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## sequence listing-1-02.txt

```
<210> 5
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 1, 7, 9 and 15
<223> modified sugar at positions 1, 7, 9, and 15
<400> 5
                                              16
tccaggtgtc cgcatc
<210> 6
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar <222> 1-5
<223> modified sugar at positions 1-5
<400> 6
tttttctctc tctct
                                              15
<210> 7
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 5-14
<221> 5-methyl cytosine
<222> 6, 8; 10, 12, 14
<223> Locations 5-14 = 2'-substituted sugar
       Locations 6, 8; 10, 12, 14 = 5-methyl cytosine
<400> 7
tttttctctc tctct
                                              15
<210> 8
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 1-14
tttttctctc tctct
                                              15
<210> 9
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 5-14
<221> 5-methyl cytosine
<222> 6, 8, 10, 12, 14
<223> Locations 5-14 = 2'-substituted sugar
    Locations 6, 8, 10, 12, 14 = 5-methyl cytosine
<400> 9
```

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sequence listing-1-02.txt
                                            15
tttttctctc tctct
<210> 10
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 11
<223> Location 11 = 2'-substituted sugar
<400> 10
agagagagag aaaaa
                                            15
<210> 11
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 3, 5, 7, 9, 11
<223> Locations 3, 5, 7, 9, 11 = 2'-substituted sugar
<400> 11
                                            15
agagagaga aaaaa
<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 11-14
<223> Locations 11-14 = 2'-substituted sugar
<400> 12
                                            15
agagagaga aaaaa
<210> 13
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 2-11
<223> Locations 2-11 = 2'-substituted sugar
<400> 13
                                            15
agagagagag aaaaa
<210> 14
<211> 13
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
<222> 4, 6, 12
<223> Locations 4, 6, 12 = 2'-substituted sugar
<400> 14
Oaggtgtccgc atc
                                            13
<210> 15
<211> 16
<212> DNA
<213> Artificial Sequence
<220>
<221> 2'-substituted sugar
```

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sequence listing-1-02.txt
<222> 13-15
<223> Locations 13-15 = 2'-substituted sugar <400> 15
tccaggtgtc cgtttc
<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<221> none
<222> none
<223> Target DNA .
<400> 16
                                                  21
gctaaaaaga gagagagatc g
<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<221> none 
<222> none
<223> Opposite strand of target DNA seq. ID 16
<400> 17
cgatctctct ctctttttag c
                                                  21
<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<221> phosphorothioate backbone
<222> 1-20
<222> 1-20

<221> 2'-substituted sugar

<222> 2, 4, 15, 17, 19

<223> Locations 1-20 = phosphorothioate backbone

Locations 2, 4, 15, 17 and 19 = 2'-substituted sugar
<400> 18
                                                  20
tcccqcctqt qacatqcatt
<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<221> phosphorothioate backbone
<222> 6-15
<221> 2'-substituted sugar
<222> 1-5 and 15-19
 <223> Locations 6-15 = phosphorothioate backbone
        Locations 1-5 and 15-19 = 2'-substituted sugar
                                                  20
tcccgcctgt gacatgcatt
<210> 20
<211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> phosphorothioate backbone
 <222> 1-20
 <221> 2'-substituted sugar
```

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sequence listing-1-02.txt
<222> 1-5 and 15-19
<223> Locations 1-20 = phosphorothioate backbone
    Locations 1-5 and 15-19 = 2'-substituted sugar
tcccgcctgt gacatgcatt
                                                    20
<210> 21
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<221> phosphorothioate backbone
<222> 6-15
<221> 2'-substituted sugar
<222> 1-5 and 15-19
<223> Locations 6-15 = phosphorothioate backbone
       Locations 1-5 and 15-19 = 2'-substituted sugar
<400> 21
tcccgcctgt gacatgcatt
                                                    20
<210> 22
<211> 20
<212> DNA
<213> Artificial Sequepce
<220>
<221> phosphorothioate backbone
<222> 1-20
<221> 2'-substituted sugar
<222> 1-5 and 15-19
<223> Locations 1-20 = phosphorothioate backbone
Locations 1-5 and 15-19 = 2'-substituted sugar
tcccgcctgt gacatgcatt
                                                    20
```